

TWO WIRE TRANSMITTER WITH ISOLATED CAN OUTPUT

ABSTRACT OF THE DISCLOSURE

A process variable transmitter that
5 preferably includes a transmitter output circuit that
provides bidirectional HART and controller area
network communication transceiver lines. The
transmitter output circuit also includes sensor
circuit interface contacts. An isolated circuit
10 couples to the sensor circuit interface contacts. The
isolated circuit includes sensor circuitry sensing a
process variable. The isolated circuit further
comprises a galvanic isolation barrier galvanically
isolating the sensor circuitry from the HART and
15 controller area network transceiver lines. A stacked
power supply provides power management. Other aspects
may include a controller area network current limiter
diagnostic output, timed sequencing of
microcontroller startup and shutdown, a local
20 operator interface and power management.